

ABSTRACT OF THE DISCLOSURE

5       The present invention relates to an integrated optical element and so forth in which an optical waveguide having favorable characteristics such as polarization dependence is integrated with an optical semiconductor element. The integrated optical element comprises a silicon bench having an element mount surface; an optical circuit element; and an optical semiconductor element. The optical circuit element includes an optical waveguide in  
10       which a grating is formed, and a substrate different from the silicon bench, and the optical semiconductor element constitutes an external resonator together with the grating. The optical circuit element and the optical semiconductor element are fixed onto the element mount  
15       surface of the silicon bench via a bonding material, while being apart from the silicon bench at a predetermined distance.